

Application No. 10/629,254  
Amendment dated December 2, 2005  
Reply to Office Action mailed October 4, 2005

**BEST AVAILABLE COPY****AMENDMENTS TO THE CLAIMS**

*The listing of claims will replace all prior versions and listings of claims in the application:*

**Listing of Claims:**

1.     **(Original)**     A transceiver module for use in a fiber-optic network system comprising:
  - a transceiver module casing;
  - a transmitter optical subassembly disposed in the transceiver module casing, wherein the transmitter optical subassembly includes a header assembly having enclosed therein:
    - a thermoelectric cooler (TEC); and
    - an externally modulated laser (EML) for transmission of optical data; and
  - a receiver subassembly disposed in the transceiver module casing.
2.     **(Original)**     A transceiver module as set forth in claim 1 wherein the transmitter optical subassembly comprises a platform wherein a portion of the platform is exposed external to the transmitter optical subassembly, and wherein the platform comprises a conductive pathway extending through the platform.
3.     **(Original)**     A transceiver module as set forth in claim 2 wherein the conductive pathway comprises a plurality of isolated traces, wherein the plurality of isolated

Application No. 10/629,253  
Amendment dated December 2, 2005  
Reply to Office Action mailed October 4, 2005

**BEST AVAILABLE COPY**

traces is of a sufficient number to at least provide control signals to an integrated circuit laser driver.

4. **(Original)** A transceiver module as set forth in claim 2, wherein the conductive pathway forms a transmission line, wherein the transmission line is adapted to match the impedance of a component connected to a first end of the conductive pathway with a source intended to drive the component wherein the source is intended to be connected to a second end of the conductive pathway.

5. **(Original)** The transceiver module as set forth in claim 4, wherein the transmission line is a 25 ohm transmission line.

6. **(Original)** The transceiver module as set forth in claim 4, wherein the transmission line is a 50 ohm transmission line.

7. **(Original)** A transceiver module as set forth in claim 1 further comprising a module circuit board disposed in the transceiver module casing.

8. **(Original)** A transceiver module as set forth in claim 7, wherein the transmitter optical subassembly and the receiver optical subassembly are electrically coupled to the module circuit board.

Application No. 10/629,253  
Amendment dated December 2, 2003  
Reply to Office Action mailed October 4, 2005

**BEST AVAILABLE COPY**

9. **(Original)** A transceiver module as set forth in claim 8, wherein the transmitter optical subassembly and the receiver optical subassembly are electrically coupled to the module circuit board through a flexible circuit board.

10. **(Original)** A transceiver module as set forth in claim 1 wherein the EML is optimized to operate at an elevated temperature above an ambient temperature in which the transceiver module is intended to operate.

11. **(Original)** A transceiver module as set forth in claim 1 further comprising a bail release coupled to an anterior end of the transceiver module casing.

12. **(Original)** A transceiver module as set forth in claim 1, wherein the transceiver module is constructed so as to comply with the XFP Multi Source Agreement.

13-27 **(Cancelled)**